

DIY_Multimode_VCF_controls

ERICA SYNTHS DIY MULTIMODE VCF V1.0 BOM, July 2017

CONTROLS BOARD

Id	Designator	Quantity	Designation	Supplier and ref
1	C29,C39	2	10uFx25V	Non-polarized
2	C38,C40,C3,C4,C5,C6,C7,C8,C9	9	0.1uF	
3	C41	1	10uFx25V	
4	DA6	1	78L10	
	VD11,VD12,VD13,VD14,VD3,VD4,VD5,VD6,VD7,VD8,VD	12	1N4148	
5	9VD10	2	47uFx25V	
6	C1,C2	2	TL074	
7	DA1,DA2	2		
8	14 pin IC sockets	2		
9	L1,L2	2	100uH	ferrite bead
10	VD1,VD2	2	1N4001	
11	VR1,VR2	2	ERF-RB-090-30	resettable fuse, see the Mouser BOM
12	R1,R2,R3,R4,R5	5	100k	Thonk Alpha pots
13	XS1,XS2,XS3,XS4,XS5,XS6	6	WQP-PJ301M-12	Thonkiconn jacks
14	R6,R7,R45,R49	4	100k	
15	R8,R9,R16,R52	4	10k	
16	R10,R12	2	33k	
17	R11	1	220k	
18	R13	1	NU	
19	R65,R66,R67	3	470R	
20	XS7,XS10	2	PBS-6	female conector, comes with a kit
21	XS8,XS9	2	PBS-4	female conector, comes with a kit

MAIN BOARD

Id	Designator	Quantity	Designation	
1	R25,R35	2	NU	
2	C19,C24,C25,C10,C11,C12,C13,C14	8	0.1uF	
3	C26	1	NU	
4	C27,C28,C30,C35,C36,C37	6	10uFx25V	non-polarized
5	C31,C16	2	22pF	
6	C32,C33,C34	3	220pF	
7	DA3	1	TL074	
8	14 pin IC socket	1		
9	DA4	1	TL072	
10	8 pin IC socket	1		
11	DA5	1	AS3320	comes with a kit
12	18 pin IC socket	1		
	R14,R15,R23,R24,R26,R27,R38,R46,R53,R54,R55,R62,	14	100k	
13	R63,R64	4	91k	
14	R17,R32,R42,R44	3	220k	
15	R18,R22,R41	1	120k	
16	R19	1	300k	
17	R20	1	36k	
18	R21	1	18k	
19	R28	1	140k	
20	R29	2	51k	
21	R30,R36	4	NU	
22	R33,R37,R56,R57	1	2.4k	
23	R34	1	1k	
24	R39	1	1.2k	
25	R43	1	33k	
26	R58	3	10k	
27	R59,R60,R61	1	2.2uF	
28	C15	5	470pF	
29	C17,C20,C21,C22,C23			

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30 C18

31 XP2,XP5

32 XP3,XP4

1 NU

2 PLS-6

2 PLS-4

Male connectors, come with a kit

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